## Amendments to the Claims:

This listing of claims will replace all prior versions, and listings, of claims in the application:

## **Listing of Claims:**

1. (Currently Amended) An array, comprising:

a plurality of light emitting devices disposed on a transparent substrate, the transparent substrate having an upper surface that contacts <u>each</u> the light emitting device, a lower surface distal from the <u>plurality of</u> light emitting device and a plurality of side surfaces, each of the side surfaces being substantially perpendicular to the upper surface.

wherein each of the plurality of light emitting devices is individually addressed to display an image; and

at least one photodetector arranged on the lower surface of the transparent substrate for detecting a fraction of waveguided light emitted from the plurality of light emitting devices, wherein another fraction of waveguided light is edge emitted.

- 2. (Cancelled).
- 3. (Cancelled).
- 4. (Cancelled).
- 5. (Cancelled).

6. (Cancelled).

7. (Previously Presented) The array of claim 1, further comprising at least

one additional photodetector formed over outer periphery edges of the upper

surface.

8. (Original) The array of claim 1, further comprising a feedback circuit that

measures a brightness level for each of the plurality of light emitting devices, and

varies a voltage applied to individual ones of the light emitting devices to maintain

a brightness level of each of the light emitting devices at a substantially constant

level.

9. (Cancelled).

10. (Cancelled).

11. (Cancelled).

12. (Original) The array of claim 8, wherein the feedback circuit includes a

compensation factor generator for generating a compensation factor for each of the

plurality of light emitting devices and a memory array for storing the compensation

factor for each of the plurality of light emitting devices.

13. (Original) A display comprising the array of claim 1.

14. (Currently Amended) A method for forming an array, comprising:

forming a plurality of light emitting devices disposed on a transparent

substrate, said transparent substrate having an upper surface contacting the each

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Application No.: 10/693,022

light emitting device, a lower surface distal from the [[t]]light emitting device and at

least one side surface substantially perpendicular to said upper surface of the

transparent substrate, wherein each of the plurality of light emitting devices is

individually addressed to display an image and

forming a photodetector at the lower surface of the transparent substrate for

detecting a fraction of waveguided light emitted through the transparent substrate,

wherein another fraction of waveguided light is edge emitted.

15. (Cancelled).

16. (Previously Presented) The method of claim 14, further comprising

forming the photodetector on the side surface of the transparent substrate.

17. (Previously Presented) The method of claim 14, wherein the photodetector

includes a plurality of photodetectors.

18. (Previously Presented) The method of claim 17, further comprising

forming at least one of the photodetectors on each of the side surfaces.

19. (Cancelled).

20. (Original) The method of claim 14, further comprising forming a feedback

circuit that measures a brightness level for each of the plurality of light emitting

devices, and varies a voltage applied to individual ones of the light emitting devices

to maintain a brightness level of each of the light emitting devices at a substantially

constant level.

- 4 -

21. (Original) The method of claim 20, further comprising forming the feedback circuit with a compensation factor generator for generating a compensation factor for each of the plurality of light emitting devices and a memory array for staring the compensation factor for each of the plurality of light emitting devices.

- 22. (Cancelled).
- 23. (Cancelled).
- 24. (Cancelled).
- 25. (Cancelled).
- 26. (Cancelled).
- 27. (Cancelled).
- 28. (Cancelled).
- 29. (Currently Amended) An array, comprising:

a plurality of light emitting devices formed [[a]]on a surface of a transparent substrate, the transparent substrate having an upper surface that contacts the each light emitting device, a lower surface distal from the light emitting device and a plurality of side surfaces,

wherein each of the plurality of light emitting devices is individually addressed to display an image; and

at least two photodetectors arranged on an opposite surface of the

transparent substrate for detecting a fraction of waveguided light emitted from the

plurality of light emitting devices, wherein another fraction of waveguided light is

edge emitted.

30. (Currently Amended) The array of claim 29, further comprising at least

one additional photodetector formed over the outer periphery edges of the surface of

the transparent substrate.

31. (Previously Presented) The array of claim 29, further comprising a

feedback circuit that measures a brightness level for each of the plurality of light

emitting devices, and varies a voltage applied to individual ones of the light

emitting devices to maintain a brightness level of each of the light emitting devices

at a substantially constant level.

32. (Previously Presented) The array of claim 31, wherein the feedback circuit

includes a compensation factor generator for generating a compensation factor far

each of the plurality of light emitting devices and a memory array for storing the

compensation factor for each of the plurality of light emitting devices,

33. (Currently Amended) An array, comprising:

a plurality of light emitting devices disposed over a substrate having an

upper surface that contacts each of the light emitting devices, a lower surface distal

from the plurality of light emitting devices and a plurality of side surfaces,

wherein each of the plurality of light emitting devices is individually

addressed to display an image; and

a photodetector that detects a fraction of waveguided light emitted through

the substrate from the <u>plurality of light emitting devices and wherein another</u>

fraction of waveguided light is emitted at the edge of the substrate, wherein the

photodetector is on the lower surface and wherein at least one light emitting device

comprises an OLED.

34. (Previously Presented) The array of claim 33 further comprising a

feedback circuit that measures a brightness level Tor each of the plurality of light

emitting devices, and varies a voltage applied to individual ones of the light

emitting devices to maintain a brightness level of each of the light emitting devices

at a substantially constant level.

35. (Previously Presented) The array of claim 34, wherein the feedback circuit

includes a compensation factor generator for generating a compensation factor for

each of the plurality of light emitting devices and a memory array for storing the

compensation factor for each of the plurality of light emitting devices.

36. (Currently Amended) An array, comprising:

a plurality of fight emitting devices disposed over a substrate having an

upper surface that contacts each of the light emitting devices, a lower surface distal

from the plurality of light emitting devices and a plurality of side surfaces,

wherein each of the plurality of light emitting devices is individually

\_ 7 \_

## addressed to display an image; and

a photodetector that detects a fraction of waveguided light emitted through the substrate from the <u>plurality of light emitting devices and wherein another</u> fraction of waveguided light is emitted at the edge of the substrate, wherein the photodetector is on the lower surface and wherein at least one light emitting device comprises a PLED.

- 37. (Previously Presented) The array of claim 36, further comprising a feedback circuit that measures a brightness level for each of the plurality of light emitting devices, and varies a voltage applied to individual ones of the light emitting devices to maintain a brightness level of each of the light emitting devices at a substantially constant level.
- 38. (Previously Presented) The array of claim 37, wherein the feedback circuit includes a compensation factor generator for generating a compensation factor for each of the plurality of light emitting devices and a memory array for storing the compensation factor for each of the plurality of light emitting devices.
  - 39. (Currently Amended) An array, comprising:

a plurality of light emitting devices disposed over a substrate having an upper surface that contacts <u>each of</u> the light emitting devices, a [[t]]lower surface distal from the <u>plurality of</u> light emitting devices and a plurality of side surfaces,

wherein each of the plurality of light emitting devices is individually

## addressed to display an image; and

a photodetector that detects a fraction of waveguided light emitted through the substrate from the plurality of light emitting devices and wherein another fraction of waveguided light is emitted at the edge of the substrate, wherein the photodetector is on the lower surface and wherein at least one light emitting device comprises a QDLED.

- 40. (Previously Presented) The array of claim 39, further comprising a feedback circuit that measures a brightness level for each of the plurality of light emitting devices, and varies a voltage applied to individual ones of the light emitting devices to maintain a brightness level of each of the light emitting devices at a substantially constant level.
- 41. (Previously Presented) The array of claim 40, wherein the feedback circuit includes a compensation factor generator for generating a compensation factor for each of the plurality of light emitting devices and a memory array for storing the compensation factor fur each of the plurality of light emitting devices.
  - 42. (Previously Presented) A display comprising the array of claim 39.
- 43. (Previously Presented) The array of claim 8, wherein the feedback circuit varies the voltage applied independently to the individual ones of the light emitting devices to maintain the brightness level of each of the light emitting devices at a substantially constant level.

- 44. (New) The array of claim 1, wherein each of the plurality of light emitting devices is selectively activated to display the image.
- 45. (New) The method of claim 14, wherein each of the plurality of light emitting devices is selectively activated to display the image.
- 46. (New) The array of claim 29, wherein each of the plurality of light emitting devices is selectively activated to display the image.
- 47. (New) The array of claim 33, wherein each of the plurality of light emitting devices is selectively activated to display the image.
- 48. (New) The array of claim 36, wherein each of the plurality of light emitting devices is selectively activated to display the image.
- 49. (New) The array of claim 39, wherein each of the plurality of light emitting devices is selectively activated to display the image.